

**ONE PIECE INTERCONNECT FROM CHANNEL CHIP TO HEAD
SLIDER IN A VOICE COIL ACTUATOR FOR A DISK DRIVE**

Abstract

A single flex interconnection circuit bonds to a connector, to electronic components 5 including at least preamplifier, and to at least one MR read-write head. The flex interconnection circuit provides the least number of bonds for each of the lines involved. The least number of bonds provides the least parasitic capacitance and inductance on these lines. The method of making the flex interconnection circuit requires the least number of bonding steps, minimizing the manufacturing cost. The invention includes the 10 flex interconnection substrate, flex interconnection circuit built on the substrate, the actuator and disk built from the flex interconnection circuit.